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Sheet 1 of 1

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| Application Number   | 10/605,739       |
| Filing Date          | 10-2003          |
| First Named Inventor | Schade, James F. |
| Art Unit             | 3644             |
| Examiner Name        | Bret C. Hayes    |

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                    |                       | US- 6718688                              | 04-2004                        | Garretson, John E.                                 |   |
|                    |                       | US- 6137415                              | 10-2000                        | Rast, Roger Hugo                                   |   |
|                    |                       | US- 5953853                              | 09-1999                        | Kim, Bok M.  |   |
|                    |                       | US- 5815982                              | 10-1998                        | Garretson, John e.                                 |   |
|                    |                       | US- 5528853                              | 06-1996                        | Dufaux, Donald W.                                  |   |
|                    |                       | US- 5477635                              | 12-1995                        | Orsano, Anthony                                    |   |
|                    |                       | US- 5185953                              | 02-1993                        | Gross, Allen W.                                    |   |
|                    |                       | US- 5184416                              | 02-1993                        | Brewer, Darryl C.                                  |   |
|                    |                       | US- 5154017                              | 10-1992                        | Disalvo, Herbert R.                                |   |
|                    |                       | US- 4641456                              | 02-1987                        | Boharski, Robert                                   |   |
|                    |                       | US-                                      |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
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